

```

1 function panorama_avi(num,K,nameout)
2
3 [filename,pathname] = uigetfile(sprintf('%s',...
4                               '*.txt'));
5
6     sp = strsplit(filename, {'_', '.'});
7     n = str2num(sp{2});
8
9     fId = figure;
10    hold on
11
12    name = sprintf('%s_%s.%s',...
13                  sp{1},...
14                  sprintf('%04d',n),...
15                  'txt');
16    name2 = sprintf(nameout,...
17                   'avi');
18    analyseField(name, pathname);
19
20    writerObj = VideoWriter(name2);
21    writerObj.FrameRate = 3;
22    open(writerObj);
23
24    for i = 1:num
25        name = sprintf('%s_%s.%s',...
26                      sp{1},...
27                      sprintf('%04d',K*i+n),...
28                      'txt');
29        figure(fId);
30        analyseField(name, pathname);
31        pause(0.02);
32        frame = getframe(gcf);
33        writeVideo(writerObj, frame);
34
35    end
36    hold off
37    close(writerObj);
38
39 end

```